

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) An electronic apparatus, comprising:

an abnormality detector configured to detect an abnormality when the abnormality occurs in the electronic apparatus;

an abnormality type determination part configured to determine a type of the abnormality detected by said abnormality detector, the abnormality type determination part configured to determine the type of the abnormality as one of

a first type that cannot be eliminated by a user of the electronic apparatus and that prohibits use of the electronic apparatus,

a second type that can be eliminated by the user of the electronic apparatus,

and

a third type that corresponds to a predetermined function of the electronic apparatus in which the abnormality is detected and that prohibits use of the corresponding predetermined function;

a notification determination part configured to determine whether to inform an external apparatus of the abnormality based on the type of the abnormality determined by the abnormality type determination part, wherein the notification determination part is configured to determine to inform the external apparatus of the abnormality when the type of the abnormality determined by said abnormality type determination part is of the first type, and to inform the external apparatus of the abnormality when the type of the abnormality determined by said abnormality type determination part is a repeat occurrence of the second type;

an abnormality notification part configured to automatically inform [[an]] the external apparatus of the abnormality ~~when the type of the abnormality determined by said~~

~~abnormality type determination part is of the first type, and to inform the external apparatus of the abnormality when the type of abnormality is a repeat occurrence of the second type when the notification determination part determines to inform the external apparatus of the abnormality; and~~

an abnormality display part configured to display, when the type of the abnormality determined by said abnormality type determination part is of the third type, that the abnormality is occurring only when a user request to use the predetermined function is received.

2. (Cancelled)

3. (Previously Presented) The electronic apparatus as claimed in claim 1, further comprising:

a non-volatile storage part; and

an abnormality history writing part configured to write a history of the abnormality to said non-volatile storage part when the type of the abnormality determined by the abnormality type determination part represents an abnormality of a fourth type that requires only history saving,

wherein the abnormality type determination part is further configured to determine the type of the abnormality as one of the first type, the second type, the third type, and the fourth type.

4. (Previously Presented) The electronic apparatus as claimed in claim 1, further comprising:

an abnormality counter configured to count the number of times of an occurrence of the abnormality; and

an abnormality counter controller configured to cause said abnormality counter to up count when the type of the abnormality determined by the abnormality type determination part represents an abnormality of the second type that can be eliminated by the user of the electronic apparatus,

wherein the abnormality notification part includes means for informing the external apparatus of a corresponding abnormality when a count value of the abnormality counter reaches a first predetermined value that is greater than one.

5. (Previously Presented) The electronic apparatus as claimed in claim 4, further comprising:

means for displaying the occurrence of the abnormality when the count value of the abnormality counter has not reached the first predetermined value.

6. (Previously Presented) The electronic apparatus as claimed in claim 4, further comprising:

a reset part configured to reset the count value of the abnormality counter when the count value reaches the first predetermined value.

7. (Previously Presented) The electronic apparatus as claimed in claim 4, further comprising:

an image forming part configured to form an image on a recording medium;
a sheet counter configured to count the number of sheets, each having the image thereon formed by said image forming part, since the abnormality of the second type that can

be eliminated by the user of the electronic apparatus is detected by the abnormality detector, and until the abnormality is detected again; and

a reset part configured to reset the count value of the abnormality counter when a count value of said sheet counter reaches a second predetermined value.

8. (Previously Presented) The electronic apparatus as claimed in claim 4, further comprising:

means for causing the electronic apparatus to reboot when the count value of the abnormality counter has not reached the first predetermined value.

9. (Previously Presented) The electronic apparatus as claimed in claim 8, further comprising:

means for displaying that the reboot is to be performed, before the electronic apparatus is caused to perform the reboot.

10. (Currently Amended) A remote management system remotely managing a plurality of electronic apparatuses by a management apparatus via a communication line, comprising:

the plurality of electronic apparatuses; and

the management apparatus,

wherein each of the electronic apparatuses includes

an abnormality detector configured to detect an abnormality when the abnormality occurs in the electronic apparatuses;

an abnormality type determination part configured to determine a type of the abnormality detected by said abnormality detector, the abnormality type determination part configured to determine the type of the abnormality as one of a first type that cannot be eliminated by a user of the plurality of electronic apparatuses and that prohibits use of the respective one of the plurality of electronic apparatuses,

a second type that can be eliminated by the user of the plurality of electronic apparatuses, and

a third type that corresponds to a predetermined function of the electronic apparatuses in which the abnormality is detected and that prohibits use of the corresponding predetermined function;

a notification determination part configured to determine whether to inform the management apparatus of the abnormality based on the type of the abnormality determined by the abnormality type determination part, wherein the notification determination part is configured to determine to inform the management apparatus of the abnormality when the type of the abnormality determined by said abnormality type determination part is of the first type, and to inform the management apparatus of the abnormality when the type of the abnormality determined by said abnormality type determination part is a repeat occurrence of the second type;

an abnormality notification part configured to automatically inform the management apparatus of the abnormality, together with identification information of one or more of the electronic apparatuses in which the abnormality occurs, ~~when the type of the abnormality determined by said abnormality type determination part is of the first type, and to inform the external apparatus of the abnormality when the type of abnormality is a repeat occurrence of the second type when the notification~~

determination part determines to inform the management apparatus of the abnormality; and

an abnormality display part configured to display, when the type of the abnormality determined by said abnormality type determination part is of the third type, that the abnormality is occurring only when a user request to use the predetermined function is received.

11. (Previously Presented) The remote management system as claimed in claim 10, wherein each of the electronic apparatuses further includes:

an abnormality counter configured to count the number of times of an occurrence of the abnormality; and

an abnormality counter controller configured to cause said abnormality counter to up count when the type of the abnormality determined by the abnormality type determination part represents an abnormality of the second type that can be eliminated by the user of the electronic apparatus, and

wherein the abnormality notification part, of each of the electronic apparatuses, includes means for informing the management apparatus of a corresponding abnormality together with the identification information of the electronic apparatus in which the abnormality occurs, when a count value of said abnormality counter reaches a first predetermined value that is greater than one.

12. (Previously Presented) The remote management system as claimed in claim 11, wherein each of the electronic apparatuses further includes means for displaying that the abnormality is occurring when the count value of the abnormality counter has not reached the first predetermined value.

13. (Previously Presented) The remote management system as claimed in claim 11, wherein each of the electronic apparatuses further includes a reset part configured to reset the count value of the abnormality counter when the count value reaches the first predetermined value.

14. (Previously Presented) The remote management system as claimed in claim 11, wherein each of the electronic apparatuses further includes:

an image forming part configured to form an image on a recording medium;
a sheet counter configured to count the number of sheets, each having the image thereon formed by said image forming part, since the abnormality of the second type that can be eliminated by the user of the electronic apparatus is detected by the abnormality detector, and until the abnormality is detected again; and
a reset part configured to reset the count value of the abnormality counter when a count value of said sheet counter reaches a second predetermined value.

15. (Previously Presented) The remote management system as claimed in claim 11, wherein each of the electronic apparatuses further includes:

means for causing the electronic apparatus to reboot when the count value of the abnormality counter has not reached the first predetermined value.

16. (Previously Presented) The remote management system as claimed in claim 15, wherein each of the electronic apparatuses further includes:

means for displaying that the reboot is to be performed, before the electronic apparatus is caused to perform the reboot.

17. (Currently Amended) A method of controlling an electronic apparatus, said method comprising the steps of:

detecting an abnormality when the abnormality occurs in the electronic apparatus;

determining a type of the detected abnormality as one of

a first type that cannot be eliminated by a user of the electronic apparatus and that prohibits use of the electronic apparatus,

a second type that can be eliminated by the user of the electronic apparatus,

and

a third type that corresponds to a predetermined function of the electronic apparatus in which the abnormality is detected and that prohibits use of the corresponding predetermined function;

determining whether to inform an external apparatus of the abnormality based on the type of the abnormality determined in the determining the type, wherein the notification determination part is configured to determine to inform the external apparatus of the abnormality when the type of the abnormality determined in the determining the type is of the first type, and to inform the external apparatus of the abnormality when the type of the abnormality determined in the determining the type is a repeat occurrence of the second type;

automatically informing [[an]] the external apparatus of the abnormality when the determined type of the abnormality is of the first type, and informing the external apparatus of the abnormality when the type of abnormality is a repeat occurrence of the second type when the determining whether to inform determines to inform the external apparatus of the abnormality; and

displaying, when the determined type of the abnormality is of the third type, that the abnormality is occurring only when a user request to use the predetermined function is received.

18. (Cancelled)

19. (Previously Presented) The method as claimed in claim 17, further comprising the step of:

saving a history of the abnormality when the determined type of the abnormality represents an abnormality of a fourth type that requires only history saving,
wherein the determining comprises determining the type of the detected abnormality as one of the first type, the second type, the third type, and the fourth type.

20. (Previously Presented) The method as claimed in claim 17, further comprising the steps of:

up counting a count value when the determined type of the abnormality represents an abnormality of the second type that can be eliminated by the user of the electronic apparatus;
and

informing the external apparatus of a corresponding abnormality when the count value reaches a predetermined value that is greater than one.

21. (Previously Presented) The method as claimed in claim 20, further comprising the step of:

displaying that the abnormality is occurring when the count value has not reached the predetermined value.

22. (Previously Presented) The method as claimed in claim 20, further comprising the step of:

resetting the count value when the count value reaches the predetermined value.

23. (Original) The method as claimed in claim 20, further comprising the step of:
causing the electronic apparatus to reboot when the count value has not reached the predetermined value.

24. (Previously Presented) The method as claimed in claim 23, further comprising the step of:

displaying that the reboot is to be performed, before the electronic apparatus is caused to perform the reboot.

25-33. (Cancelled)

34. (Currently Amended) A computer-readable storage medium having embedded therein instructions, which when executed by a processor, cause the processor to perform a method, comprising:

detecting an abnormality when the abnormality occurs in the electronic apparatus;

determining a type of the detected abnormality as one of

a first type that cannot be eliminated by a user of the electronic apparatus and that prohibits use of the electronic apparatus,

a second type that can be eliminated by the user of the electronic apparatus,

and

a third type that corresponds to a predetermined function of the electronic apparatus in which the abnormality is detected and that prohibits use of the corresponding predetermined function;

determining whether to inform an external apparatus of the abnormality based on the type of the abnormality determined in the determining the type, wherein the notification determination part is configured to determine to inform the external apparatus of the abnormality when the type of the abnormality determined in the determining the type is of the first type, and to inform the external apparatus of the abnormality when the type of the abnormality determined by the determining the type is a repeat occurrence of the second type;

automatically informing [[an]] the external apparatus of the abnormality when the type of the abnormality is determined to be of the first type, and informing the external apparatus of the abnormality when the type of abnormality is a repeat occurrence of the second type when the determining whether to inform determines to inform the external apparatus of the abnormality; and

displaying, when the type of the abnormality determined to be of the third type, that the abnormality is occurring only when a user request to use the predetermined function is received.

35. (Cancelled)

36. (Previously Presented) The method as claimed in claim 34, further comprising the step of:

saving a history of the abnormality when the type of the abnormality is determined to represent an abnormality of a fourth type that requires only history saving,

wherein the determining comprises determining the type of the detected abnormality as one of the first type, the second type, the third type, and the fourth type.

37. (Previously Presented) The method as claimed in claim 34, further comprising the steps of:

counting the number of times of an occurrence of the abnormality;
up counting when the type of the abnormality is determined to represent an abnormality of the second type that can be eliminated by the user of the electronic apparatus;
and

informing the external apparatus of a corresponding abnormality when a count value reaches a first predetermined value that is greater than one.

38. (Previously Presented) The method as claimed in claim 37, further comprising the step of:

displaying the occurrence of the abnormality when the count value has not reached the predetermined value.

39. (Previously Presented) The method as claimed in claim 37, further comprising the step of:

resetting the count value when the count value reaches the first predetermined value.

40. (Previously Presented) The method as claimed in claim 37, further comprising the steps of:

forming an image on a recording medium;

counting the number of sheets, each having an formed image thereon, since the abnormality of the second type that can be eliminated by the user of the electronic apparatus is detected, and until the abnormality is detected again; and

resetting the count value when a count value of the number of sheets reaches a second predetermined value.

41. (Previously Presented) The method as claimed in claim 37, further comprising the step of:

causing the electronic apparatus to reboot when the count value of the number of times of occurrence of the abnormality has not reached the first predetermined value.

42. (Previously Presented) The method as claimed in claim 41, further comprising the step of:

displaying that the reboot is to be performed before the electronic apparatus is caused to perform the reboot.